Animal Reproduction Science, 26 (1991) 351–353
Elsevier Science Publishers B.V., Amsterdam

Contents of *Animal Reproduction Science*, Volume 26

VOL. 26 NOS. 1–2 **NOVEMBER 1991**

Genital lesions in experimental *Trypanosoma congolense* infection in heifers
D. Ogwu and C.O. Njoku (Zaria, Nigeria) 1
Factors affecting the origin of the ovulatory follicle in heifers with induced luteolysis
J.P. Kastelic and O.J. Ginther (Madison, WI, USA) 13
Plasma progesterone concentrations in heifers and cows treated with a new intravaginal device
K.L. Macmillan, V.K. Taufa, D.R. Barnes and A.M. Day (Hamilton, New Zealand)..... 25
Reproductive problems in crossbred cattle in central Ethiopia
T. Bekele, O.B. Kasali and T. Alemu (Addis Ababa, Ethiopia) 41
Effects of postpartum body weight changes on subsequent reproductive performance in N'Dama cattle maintained under traditional husbandry systems
K. Agyemang, D.A. Little (Addis Ababa, Ethiopia), M.L. Bah and R.H. Dwinger (Banjul, Gambia) 51
Bovine uterine, cervical and ovarian estrogen and progesterone receptor concentrations
M. Vesanen, V. Isomaa, R. Vihko (Oulu, Finland) and M. Alanko (Hautjärvi, Finland) 61
The modifying effects of melatonin, ram exposure and plane of nutrition on the onset of ovarian activity, ovulation rate and the endocrine status of ewes
J.J. Robinson, S. Wigzell, R.P. Aitken, J.M. Wallace, S. Ireland and I.S. Robertson (Aberdeen, UK)..... 73
Ovarian and endocrine responses of Merino ewes to treatment with PMSG and/or FSH-P
H.N. Jabbour and G. Evans (Sydney, NSW, Australia)..... 93
Repeatability estimates for litter size and its components in sheep
I. Boujenane (Rabat, Morocco), G.E. Bradford (Davis, CA, USA), Y.M. Berger (Spooner, WI, USA) and A. Lahlou-Kassi (Rabat, Morocco) 107
Comparison of the effects of FSH, immunization against androstenedione and genetic differences in ovulation rate on follicular growth in adult Finn sheep
M. Banoin, A. Yenikoye (Niamey, Niger), J.C. Mariana (Nouzilly, France) and J.P. Hanrahan (Galway, Ireland) 115
Prenatal assessment of weight and dimensions of the camel conceptus (*Camelus dromedarius*)
F.M. Hussein, M. Bahgat Noseir, I.E. El-Bawab (Alexandria, Egypt) and D.L. Paccamonti (Baton Rouge, LA, USA)..... 129
Long-term effects of unilateral ovariectomy on ovarian function in gilts
K.K. Kramer and W.R. Lamberson (Columbia, MO, USA)..... 137
Vitrification of non-cultured and cultured rabbit embryos
Z. Smorag and B. Gajda (Kraków, Poland) 151
Cyclic variation of intracellular albumin distribution in the female genital tract of

golden hamsters. An immunohistochemical study
A. Krishna, S. Weis and K. Spanel-Borowski (Lübeck, Germany) 159

Book Review
Reproductive pathology 167

Guide for Authors 169

VOL. 26 NOS. 3–4 NOVEMBER 1991

Publisher's Note 177

Effect of norepinephrine on the release of progesterone and ovarian oxytocin in cattle
J. Kotwica, D. Skarżynski, J. Jaroszewski and G. Kotwica (Olsztyn-Kortowo, Poland) 179
Embryonic ability to prolong the interoestrous interval in virgin and repeat breeder heifers
A. Albihn, H. Gustafsson, M. Hurst and H. Rodriguez-Martinez (Uppsala, Sweden) 193
Natural and prostaglandin F (PG)-synchronized estrous cycle in Brown Swiss and Simmental heifers in the Highland of Peru
H. Cárdenas, A. Padilla, E. Alvarado, W. Vivanco (Lima, Peru) and J.G. Berardinelli (Bozeman, MT, USA) 211
Studies on the effect of deep freezing and seasons on the leakage of aspartate amino transferase into extracellular medium and sperm morphology of Murrah buffalo bulls
M.R. Bhosrekar, S. Mokashi, J.R. Purohit, S.B. Gokhale and B.R. Mangurkar (Pune, India) 219
Effect of time of PMSG and GnRH on the time of ovulation, LH secretion and reproductive performance after intrauterine insemination with frozen ram semen
J. Eppleston, E.M. Roberts (Kensington, N.S.W., Australia) and G. Evans (Sydney, N.S.W., Australia) 227
Development of the population of ovarian follicles during the prepubertal period in D'man and Timahdite sheep
A. Jorio, A. Lahlou-Kassi (Rabat, Morocco) and J.C. Mariana (Nouzilly, France) 239
Effect of season on plasma concentrations of prolactin and cortisol in pregnant, non-pregnant and lactating ewes
A. Gomez Brunet and A. Lopez Sebastian (Madrid, Spain) 251
Effect of pre-mating nutrition on reproductive performance of Booroola Merino × South Australian Merino ewes
D.O. Kleemann, S.K. Walker, D.H. Smith, R.J. Grimson (Rosedale, S.A., Australia), J.R.W. Walkley, R.W. Ponzoni and R.F. Seamark (Adelaide, S.A., Australia) 269
Seasonal variation in testis size, gonadotrophin secretion and pituitary responsiveness to GnRH in rams of two breeds differing in time of onset of the breeding season
Z.Z. Xu, M.F. McDonald, S.N. McCutcheon and H.T. Blair (Palmerston North, New Zealand) 281
Effects of purified porcine relaxin on the uterus of gilts during early pregnancy
J.M. Galvin, R.V. Anthony and B.N. Day (Columbia, MO, USA) 293
Steroid concentrations in follicular fluid of sows treated with dexamethasone
R.M. Liptrap and E. Cummings (Guelph, Ont., Canada) 303

U·M·I

SHOULD READ VOLUME 26 NUMBERS
3-4 DECEMBER 1991.

Effect of pre-mating nutritional status and post-mating progesterone supplementation on embryo survival and conceptus growth in gilts
C.J. Ashworth (Aberdeen, UK) 311
Temporal relationship between plasma progesterone concentrations in the utero–ovarian and jugular veins during early pregnancy in the pig
A. Pharazyn, G.R. Foxcroft and F.X. Aherne (Edmonton, Alta., Canada) 323
Studies on camel semen. III. Ultrastructure of the spermatozoon
M.D. Tingari (Khartoum North, Sudan) 333

Announcement 345

Author Index 347

U·M·I

THE PAPER AND INK USED IN THE ORIGINAL PUBLICATION MAY AFFECT THE QUALITY OF THE MICROFORM EDITION.